

06/16/00
jc856 U.S. PTO

06-19-00

A
06/16/00
09/595787
U.S. PTO

NON-PROVISIONAL APPLICATION FOR U. S. PATENT UNDER 35 USC § 371
TRANSMITTAL FORM

Attorney Docket No. 108120.00001

Assistant Commissioner for Patents
Washington, D. C. 20231

Sir:

Transmitted herewith for filing is the
patent application of:

Inventor(s): Drew Waters
Brandon Shaw
Frank Verdun

"EXPRESS MAILING" Mailing Label No.
EL619189389US. Date of Deposit: June 16, 2000. I
hereby certify that this paper is being deposited with
the U.S. Postal Service Express Mail Post Office to
Addressee Service under 37 CFR 1.10 on the date
shown above and is addressed to the Assistant
Commissioner for Patents, Washington, D.C. 20231.

Lynda Van Deventer
Lynda Van Deventer

For: **A Device and Method that Generates a Fog Capable of Altering the Color of Human Skin**

Enclosed are:

- 4 sheets of informal drawings and pages of Specification (including Abstract)
X A Declaration/Power of Attorney
X Statement Claiming Small Entity Status
X Assignment

| FEE CALCULATION | | | | | FEE |
|--------------------|--------|-------|-----------------|----------|------------------------|
| | NUMBER | | NUMBER EXTRA | RATE | BASIC FEE \$ 345.00 |
| Total Claims | 20 | -20 = | | X \$9 = | |
| Independent Claims | 3 | - 3 = | | X \$39 = | |
| Total Filing Fee | | | | | \$ 345.00 |

A check in the amount of \$345.00 is enclosed.

All correspondence related to this application may be addressed to the undersigned at Jackson Walker,
LLP, 2435 North Central Expressway, Suite 600, Richardson, Texas 75080.

June 16, 2000
Date

Steven Thrasher
Steven Thrasher
Registration No. 43,192

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY
STATUS - SMALL BUSINESS CONCERN**

Applicant: FDB, L.L.C.

Attorney Docket No. 108120.00001

Filed: HEREWITH

For: **A Device and Method that Generates a Fog Capable of Altering The Color of Human Skin**

I hereby declare that I am an official of the small business empowered to act on behalf of the concern identified below:

Name of Organization: FDB, L.L.C.

Address of Organization: 309 N. Beltline, Suite 101
Irving, Texas 75061

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY
STATUS (37 CFR 1.9(f) and 1.27 (c)) - SMALL BUSINESS CONCERN

The type of organization is a small business concern.

I hereby declare that the organization identified above qualifies as a small business as defined in 37 C.F.R. §1.9(d), and thus is a "small entity" as defined in §1.9(f), for purposes of paying reduced fees under Sections 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that exclusive rights to the invention have been conveyed to and remain with the organization with respect to the invention, entitled "**A Device and Method that Generates a Fog Capable of Altering the Color of Human Skin**" by Drew Waters, Brandon Shaw, Frank Verdun, described in:


- ☒ [x] the specification filed herewith
- ☐ [] application serial no. _____, filed _____.
- ☐ [] patent no. _____ issued _____.

If the rights held by the above identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed below and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 C.F.R. 1.9(d) or a nonprofit organization under 37 C.F.R. 1.9(e).

I acknowledge the duty to file, in this application or patent notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Name of person signing: Drew Waters
Title of person other than owner: President
Address of person signing: 309 N. Beltline, Suite 101
Irving, Texas 75061

Signature: 

Date: 6-14-00

2436944

**A DEVICE AND METHOD THAT GENERATES A FOG
CAPABLE OF ALTERING THE COLOR OF HUMAN SKIN**

TECHNICAL FIELD

The present invention relates to devices and methods for generating a fog in a closed chamber, and more particularly to devices and methods for generating a fog that is capable of altering the color of human skin.

STATEMENT OF A PROBLEM ADDRESSED BY THIS INVENTION

For decades, a tan has been associated with good health, a nice appearance, and general well being. Health can be enhanced by tanning. For example, vitamins D and, C, and E are all generated by a person's body when that person is exposed to the sun. In fact, phrases such as "a healthy glow" have entered the modern lexicon. Furthermore, many people who tan regularly report that it makes them feel rejuvenated, relaxed, and calm. Unfortunately, tanning with ultraviolet rays has drawbacks.

For example, most people associate skin cancer with ultraviolet ray exposure. Furthermore, exposure to ultraviolet rays has been associated with premature skin wrinkling, as well as cell damage which can result in dry skin and the loss of melanin. Of course, anyone who has spent a day at the beach or a lake is familiar with the fact that ultra violet radiation exposure causes sunburns. Fortunately, devices exist that minimize exposure to ultraviolet radiation while providing a tan.

For example, since not all ultraviolet radiation is created equal, some modern tanning units use cobalt lamps to reduce the a person's exposure to harmful ultraviolet (UV) radiation (beta rays), while allowing that person to be exposed to the proper UV rays to generate a tan (alpha rays). This allows a person to become darker while reducing their exposure to harmful ultraviolet radiation significantly. However, manufacturing and using these devices is prohibitively expensive.

In addition, many people use suntan lotions which have SPF ratings that indicate that the lotions block ultraviolet radiation, and thus prevent damage by ultraviolet light. Furthermore, recover products exists that provide vitamins, minerals and moisturizers to skin which has been exposed to ultraviolet radiation. Unfortunately, these products are often expensive, difficult to apply and are easily ignored or forgotten just after exposure to UV light, which is just when they are most needed. Furthermore, none of these products provide 100 percent protection from ultraviolet radiation.

Recently, to provide a darker and more healthy looking skin complexion, it has become popular to use tanning lotions and sprays that darken skin (self-bronzing applications). For example, one device uses a carwash-like spraying apparatus to coat one side of a person at a time by either moving a spray up and down or side to side across the person. These applications have the benefit of giving a person a healthy looking tan while not requiring that person to be exposed to ultraviolet radiation. Unfortunately, these spray applicators have several disadvantages.

For example, by spraying a person one side at a time, the side that is sprayed first will have a longer exposure to the tanning spray than the side of the person which is last exposed. In addition, there is an overlap as the person turns and the sprayers hit an area more than once, resulting in a buildup of excess tanning spray at different locations on a person.

Furthermore, the use of a sprayer that sprays a person one side at a time results in a long and tedious process—a process in which the person being sprayed typically must close their eyes and hold their breath until the process is complete (which may take as long as half a minute or more). The result is that these devices are uncomfortable for a person to use, and can create uneven tanning with noticeable dark areas that can look quite strange.

However, it is desirable to provide a device which can apply a tanning solution to a person without these disadvantages. This would be particularly advantageous to persons who have been diagnosed previously with skin cancer and allow them to obtain a healthy looking tan without UV exposure. Therefore, there exist the need for a device and method for applying a tanning solution quickly and evenly.

SELECTED OVERVIEW OF SELECTED EMBODIMENTS

The present invention achieves technical advantages as a device and method for applying a tanning solution quickly and evenly. Generally, the method generates a fog by applying a predetermined pressure to a tanning solution, and then passing the solution through a nozzle such that the tanning solution under pressure produces a fog. The device generally includes a fog chamber with a fluid frame therein, the fluid frame having a plurality of nozzles disposed about it. The fluid frame is preferably placed about the person being exposed to the fog, such that the person is exposed to a uniformly thick fog, from all sides simultaneously. The nozzles help achieve an even fog by providing a preferably propeller-shaped disk fan to help disburse the fog. Accordingly, the invention quickly provides a user with a safe and even tan.

In one embodiment the present invention is a method of generating a fog with a tanning solution. The method comprises the acts of applying a predetermined pressure to the tanning solution, and passing the tanning solution through a nozzle such that when the solution leaves the nozzle a fog is generated.

In another embodiment, the invention is a tanning system that generates a fog with a tanning solution. The tanning system includes a fog chamber; a pump system; and a control system.

In yet another embodiment, the invention is a fog chamber which supports the generation of a fog within a tanning system. The fog chamber provides an outer shell, a fluid frame disposed within the outer shell, and a plurality of nozzles in fluid communication with the fluid frame. The nozzle is capable of producing a fog with a tanning solution under a predetermined pressure.

BRIEF DESCRIPTION OF THE DRAWINGS

Various aspects of the invention, as well as exemplary embodiments, are better understood by reference to the following **EXEMPLARY EMBODIMENT OF A BEST MODE**. To better understand the invention, the **EXEMPLARY EMBODIMENT OF A BEST MODE** should be read in conjunction with the drawings in which:

Figure 1 illustrates some component that may be provided in one embodiment of a tanning system;

Figure 2 illustrates one embodiment of a fog chamber;

Figure 3 illustrates a fluid frame system for use within a generally cylindrical outer shell, such as the outer shell;

Figure 4a illustrates a nozzle designed to produce a fog;

Figure 4b illustrates one embodiment of the disk fan; and

Figure 5 is a flow chart of a tanning algorithm.

AN EXEMPLARY EMBODIMENT OF A BEST MODE

The invention provides devices, systems, and methods that give a user a safe, quick, and even tan. In general, the invention of applies a predetermined pressure to a tanning solution, and then produces a fog by passing the tanning solution under the predetermined pressure through a nozzle. Additional functionality may be provided to a user by incorporating control systems within a fog chamber, or by providing the user the ability to preselect fog densities or preselect mixtures of solutions and moisturizers. Furthermore, the invention may transform a computing platform into a specific computing device, such as a tanning system, by executing thereon as software. Accordingly, one realized advantage of the invention over prior art is the ability to quickly provide a uniform coating of tanning solution to a user.

When reading this section (An Exemplary Embodiment of a Best Mode, which describes an exemplary embodiment of the best mode of the invention, hereinafter "exemplary embodiment"), one should keep in mind several points. First, the following exemplary embodiment is what the inventor believes to be the best mode for practicing the invention at the time this patent was filed. Thus, since one of ordinary skill in the art may recognize from the following exemplary embodiment that substantially equivalent structures or substantially equivalent acts may be used to achieve the same results in exactly the same way, or to achieve the same results in a not dissimilar way, the following exemplary embodiment should not be interpreted as limiting the invention to one embodiment.

Likewise, individual aspects (sometimes called species) of the invention are provided as examples, and, accordingly, one of ordinary skill in the art may recognize from a following exemplary structure (or a following exemplary act) that a substantially equivalent structure or substantially equivalent act may be used to either achieve the same results in substantially the same way, or to achieve the same results in a not dissimilar way.

09593787.061600

Accordingly, the discussion of a species (or a specific item) invokes the genus (the class of items) to which that species belongs as well as related species in that genus. Likewise, the recitation of a genus invokes the species known in the art. Furthermore, it is recognized that as technology develops, a number of additional alternatives to achieve an aspect of the invention may arise. Such advances are hereby incorporated within their respective genus, and should be recognized as being functionally equivalent or structurally equivalent to the aspect shown or described.

Second, the only essential aspects of the invention are identified by the claims. Thus, aspects of the invention, including elements, acts, functions, and relationships (shown or described) should not be interpreted as being essential unless they are explicitly described and identified as being essential. Third, a function or an act should be interpreted as incorporating all modes of doing that function or act, unless otherwise explicitly stated (for example, one recognizes that "tacking" may be done by nailing, stapling, gluing, hot gunning, riveting, etc., and so a use of the word tacking invokes stapling, gluing, etc., and all other modes of that word and similar words, such as "attaching"). Fourth, unless explicitly stated otherwise, conjunctive words (such as "or", "and", "including", or "comprising" for example) should be interpreted in the inclusive, not the exclusive, sense. Fifth, the words "means" and "step" are provided to facilitate the reader's understanding of the invention and do not mean "means" or "step" as defined in §112, paragraph 6 of 35 U.S.C., unless used as "means for -functioning"- or "step for -functioning" in the **Claims** section.

In one embodiment, the invention provides a tanning system. Figure 1 illustrates components that may be provided in one embodiment of a tanning system 100. In the tanning system 100 a graphical user interface (GUI) 142 is provided so that an operator of the tanning system 100 may select and adjust various settings of the tanning system. For example, by using the graphical user interface 142, one may select a predetermined pressure, a predetermined program

which varies pressures, a tanning solution, a combination of tanning solutions, a combination of a tanning solution and a moisturizer, or a temperature at which any of these is delivered into a fog chamber 110. Accordingly, settings selected at the graphical user interface are supplied to a computer 140. Alternatively, any of the settings described as being selected at the graphical user interface 142 may also be selected by a user within the fog chamber 110 via a control panel (not shown).

The computer 140 may be any computing platform capable of executing a computer code which enables the tanning system 100. For example, the computer 140 could be a personal computer (PC), a laptop, or a specific use computing device. Preferably, the computer 140 stores and executes a tanning system algorithm (discussed later).

The computer 140 is coupled to a control system 150. The control system 150 typically houses an electrical control subsystem 152, and a mechanical control subsystem 154. The control system 150 opens and closes valves within a pump system 130 so as to implement the settings directed at the graphical user interface 142, or by a user at the control panel. Accordingly, the electrical control subsystem 152 is generally controlled by the computer 140 so as to actuate the mechanical control subsystem 154. The

Mechanical control subsystem 154 implements the opening and closing of valves within the pump system 130, such as the flow valve 134, and the valve(s) in the pump 132 which controls the flow of solutions into the pump system 130. It should be noted that although the control system 150 appears in Figure 1 to be rather large, the control system 150 is typically a quite small device.

The control system 150 is thus coupled to the pump system 130 so as to control the valves therein. Furthermore, the pump system 130 accepts solution from a first solution container 120, containing a Solution A, and a second solution 122 containing a Solution B. The solution A and the Solution B may be tanning

solutions or moisturizers or other solutions or liquids to be delivered to the fog chamber 110. The pump 132 places the incoming solutions under pressure, and preferably places the solutions at predetermined pressure.

For example, if a liquid with water-like consistency is pumped, then the predetermined pressure may be between 450 and 550 psi, and is preferably 500 psi. Similarly, if a lotion is pumped, the predetermined pressure may be between 550 and 650 psi, with a preferred predetermined pressure of 600 psi. Likewise, the flow valve 134 is opened and closed by the control system 150 so as to allow the tanning solution which exits the pump 132 at the predetermined pressure to pass into the fog chamber 110.

A fog chamber 110 is a generally enclosed housing used to encapsulate a fog about a person being tanned, and to maintain the fog at a predetermined density. Figure 2 illustrates one embodiment of a fog chamber 110. The fog chamber 110 is generally comprised of an outer shell 200, a hood 210 and a floor 220. The hood 210 is preferably a plastic or fiberglass form capable of supporting a lighting system 212 as well as a fan motor 214. The fan motor 214 drives fan blades 216 to vent and evacuate the chamber.

Accordingly, during operation, the lighting system 212 provides lighting within the fog chamber 110. In addition, the fan motor 214 operates at a low speed during the fogging process to provide ventilation within the fog chamber 110, and at a high speed to quickly evacuate the fog chamber 200 when the person being tanned has been exposed to the fog for a sufficient time.

The floor 220 includes a plurality of legs 226 which support a generally mesh-like floor piece 222 thereon. The floor piece 222 is elevated above the floor 220 in order to provide ventilation about the feet of the person being tanned. Furthermore, the floor piece 222 includes a standing platform 224 on which a person may stand without their feet being irritated by the floor piece 222. In

addition, the generally mesh nature of the floor piece 222 allows condensation and excess fog to fall to the floor 220.

The outer shell 200 provides a door 230 which opens and shuts about a doorway 232 for providing access into the tanning chamber 110. The outer shell 200, like the hood 210, is preferably made of a fiberglass or a moldable plastic. Also provided within the outer shell 200 are a plurality of vents 240 for providing fresh air access into the fog chamber 110. Disposed within the outer shell 200 is a fluid frame 250 which provides tanning solution (or other liquid or lotion) to the fog chamber 110. The fluid frame is preferably constructed of 3/8" copper pipe and contains a plurality of nozzles 260 thereon.

Each fluid frame is customized to provide a generally uniform fog to a user within the fog chamber 110. Accordingly, the fluid frame, in operation, is generally disposed about the person being tanned. Figure 3 illustrates a fluid frame 300 for use within a generally cylindrical outer shell, such as the outer shell 200. The fluid frame 300 includes a generally circular top frame piece 320, a generally circular bottom frame piece 330, and a plurality of vertical frame pieces 310. Each of the frame pieces 310, 320, 330, may be fluidly connected to a plurality of nozzles 340.

The number and location of the nozzles 340 is chosen based on the desire to produce a generally uniform fog within the area generally enclosed by the fluid frame 250. Furthermore, each nozzle 340 is pointed in a direction that supports the creation of a uniform fog within the fog chamber 110. Also coupled to the fluid frame 250 is an entry pipe 350 which brings the tanning solution (or tanning solution mixture) into the fluid frame 250. Controlling access of a fluid to the fluid frame 250 via the entry pipe 350 is an entry valve 360.

The entry valve 360 provides a user of the tanning system the ability to quickly turn the tanning system off should that user desire to do so. Accordingly, the entry valve 360 is typically coupled to the computer 140, or the control system

150. Alternatively, the entry valve 360 maybe directly mechanically turned on and off by an off switch (not shown) within the fog chamber 110.

A nozzle capable of producing a fog is utilized by the invention. Accordingly, Figure 4a illustrates a nozzle 340 designed to produce a fog. The nozzle 340 includes a generally cylindrical shell 410 having an orifice 420 at one end (the end the fog exits, the other end being attachable to the fluid frame) and maintains a cylinder 440 therein. The orifice 420 is of a size which enables the nozzle 340 to produce a fog, and is preferably between 0.005 and 0.020 inches in diameter, and is preferably 0.012 inches in diameter. Furthermore, the nozzle 340 provides an annular indentation 430 capable of supporting a disk fan 450 therein.

Figure 4b illustrates one embodiment of the disk fan 450. The disk fan 450 provides a generally circular outer ring 455 which supports a plurality of fan blades 460 within its inner radius 457. Referring to Figures 4a and 4b, when a fluid is passed in the chamber 440, and through the orifice 420, the flow of the fluid causes the fan blades 460 to turn the disk fan 450 so that the disk fan 450 rotates rapidly. The rapid spinning of the disk fan 450 causes a more even and uniform dispersion of a fog within the fog chamber 110. This provides the additional advantage of preventing a user of the tanning system from being irritated by a direct spray.

Exemplary Method

One embodiment of a method according to the invention may be understood as a tanning algorithm 500. Figure 5 is a flow chart of a tanning algorithm 500. First, in a start act 510, the tanning system algorithm 500 is loaded into a computer memory and performs all of the procedures needed to initialize a control system or a pump system and may heat any fluids to a predetermined temperature. Then, in a receive settings act 520, the settings selected at either the graphical user interface or a user control panel within the fog chamber are received by the tanning system algorithm 500.

The settings may include a selection of a temperature for a tanning solution, a predetermined fogging program which implements variable fog densities for predetermined times, a selected time period for exposure to a fog, a selected fog density, or other settings. Next, in a receive start act 530, the tanning system algorithm 500 receives an indication that the fogging process is to begin. The receive start act 530 may be initiated by a user within the fog chamber, by a person at a graphical user interface, or automatically via computer program.

The tanning system algorithm 500 next proceeds to a mix act 540 in which any tanning solution mixtures selected are either mixed prior to being placed in a pump, or either set so that they may be mixed by a pump. Then, in a set pressure act 550, the tanning solution (or tanning solution mixture, but collectively "tanning solution") is pumped to a user selected pressure. Next, a fog act 560 is implemented by the opening of valves which allow the tanning solution to flow into a fog chamber. Also within the fog at 560 a fog is produced within the fog chamber 110. In a hold act 570 the fog density is controlled and held at a predetermined density which is either user selected or selected by a program which was selected by the user or the person operating a graphical user interface. Preferably, during the hold act 570, a fan is operating at a low speed in order to vent fresh air into the chamber at a predetermined rate.

The fog is evacuated from the fog chamber 110 in an evacuation act 580. Preferably, the evacuation act 580 is very fast, and preferably almost instantaneous. Then, the tanning system algorithm 500 continues to end and reset act 590. The end and reset act 590 terminates the execution of the tanning system algorithm 500 and resets the pre-pump system and the control system so that another user may enter and use the fog chamber 110.

Sometimes methods of the invention may be practiced by placing the invention on a computer-readable medium. Computer-readable mediums include passive data storage, such as a random access memory (RAM) as well as semi-permanent data storage such as a compact disk read only memory

(CD-ROM). In addition, the invention may be embodied in the RAM of a computer and effectively transform a standard computer into a new specific computing machine, such as a tanning system.

Though the invention has been described with respect to a specific preferred embodiment, many variations and modifications will become apparent to those skilled in the art upon reading the present application. It is therefore the intention that the appended claims be interpreted as broadly as possible in view of the prior art to include all such variations and modifications, and should be limited only by the claims.

CLAIMS

I Claim:

1. A method of generating a fog with a tanning solution, comprising:
applying a predetermined pressure to the tanning solution; and
passing the tanning solution through a nozzle such that as the solution
leaves the nozzle a fog is generated.
2. The method of Claim 1 wherein the nozzle has a preselected orifice size.
3. The method of Claim 1 further comprising the act of holding the fog in a
fog chamber for a predetermined time.
4. The method of Claim 1 further comprising the act of evacuating the fog
from the fog chamber.
5. The method of Claim 1 wherein the tanning solution is a combination of a
first tanning solution and a second tanning solution.
6. The method of Claim 1 wherein the tanning solution is a combination of a
tanning solution and a moisturizer.
7. The method of Claim 1 further comprising the act of selecting a
combination of at least one tanning solution and at least one moisturizing
solution.
8. The method of Claim 1 further comprising the act of receiving a
predetermined program which varies the density of the fog over time.
9. The method of Claim 1 wherein the predetermined density is user selected.
10. The method of Claim 1 wherein the tanning solution is user selected.

11. A tanning system that generates a fog with a tanning solution, comprising:
a fog chamber;
a pump system in fluid communication with the fog chamber; and
a control system coupled to the pump system.
12. The system of Claim 11 further comprising a computer coupled to the control system.
13. The system of Claim 11 wherein the control system comprises an electrical subsystem and a mechanical control subsystem.
14. The system of Claim 11 further comprising a first tanning solution container coupled to the pump system.
15. The system of Claim 11 further comprising a moisturizer solution container coupled to the pump system.
16. The system of Claim 11 wherein the pump system comprises:
a pump coupled to a tanning solution container; and
a valve coupled between the control system and the fog chamber.

17. A fog chamber which supports the generation of a fog within a tanning system, the fog chamber comprising:
- an outer shell;
 - a fluid frame disposed within the outer shell; and
 - at least one nozzle in fluid communication with the fluid frame, the nozzle is capable of turning a fluid into a fog by passing the fluid through an orifice at a predetermined pressure.
18. The fog chamber of Claim 17 wherein the nozzle has a propeller disk disposed therein.
19. The fog chamber of Claim 17 further comprising a user control panel disposed within the outer shell.
20. The fog chamber of Claim 17 further comprising a fan coupled to the outer shell via a hood, the fan for continuously venting the chamber during fog chamber operation.

**A DEVICE AND METHOD THAT GENERATES A FOG
CAPABLE OF ALTERING THE COLOR OF HUMAN SKIN**

ABSTRACT

The present invention is a device and method for applying a tanning solution. Generally, the method generates a fog by applying a predetermined pressure to a tanning solution, and then passing the solution through a nozzle such that the tanning solution under pressure produces a fog. The device generally includes a fog chamber with a fluid frame therein, the fluid frame having a plurality of nozzles disposed about it. The nozzles help achieve a fog by providing a disk fan to help disburse the fog away from a person being tanned.

2467689

Figure 1

100 →

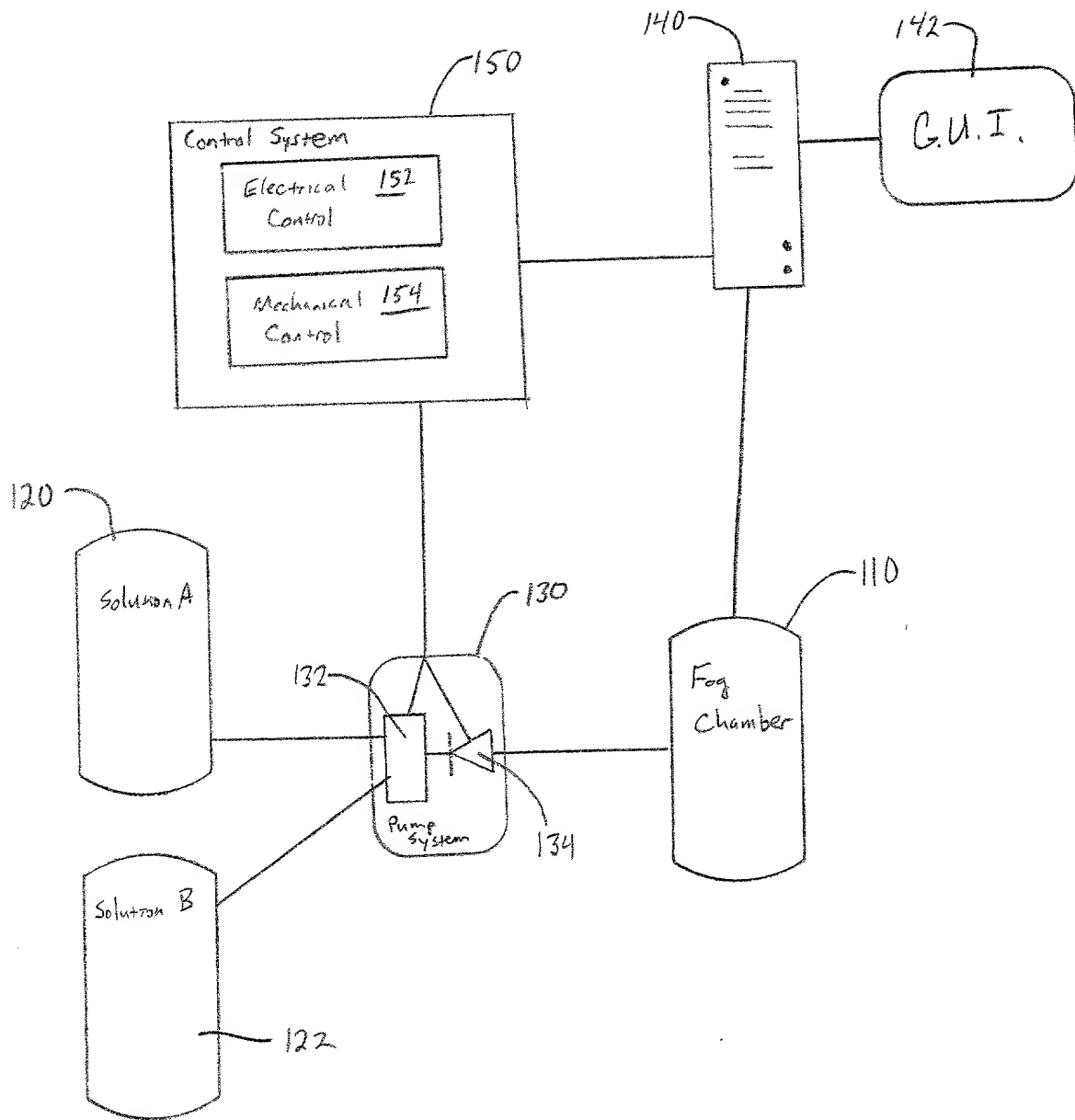
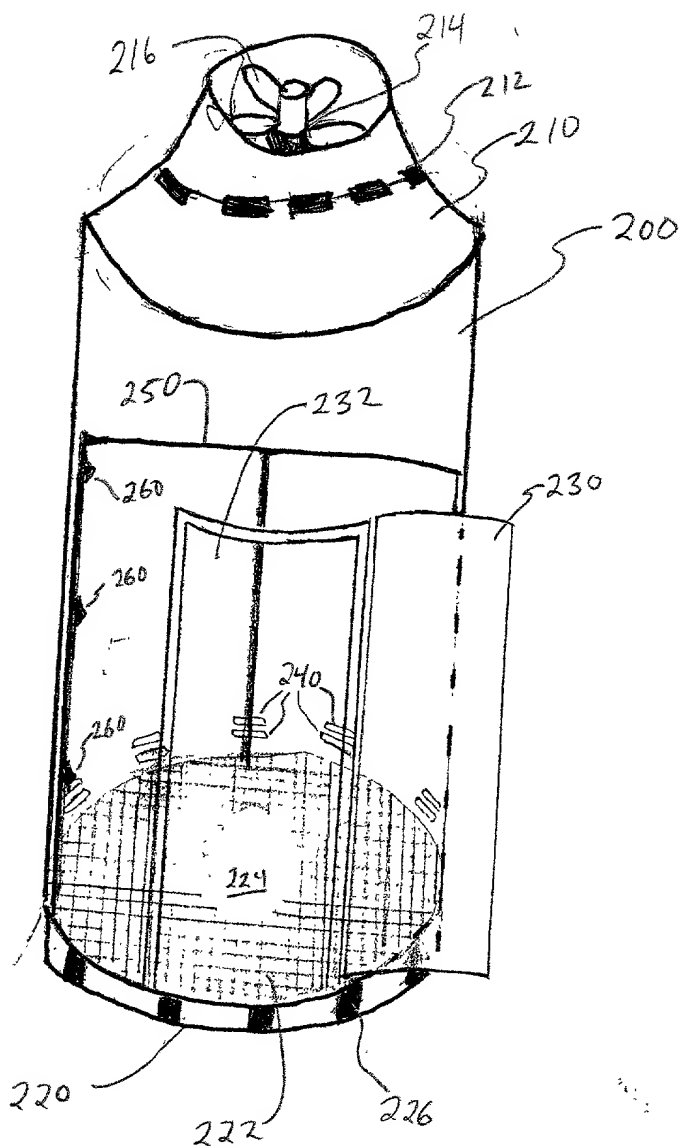


Fig. 2

110 →



09595787.061600

Fig. 3

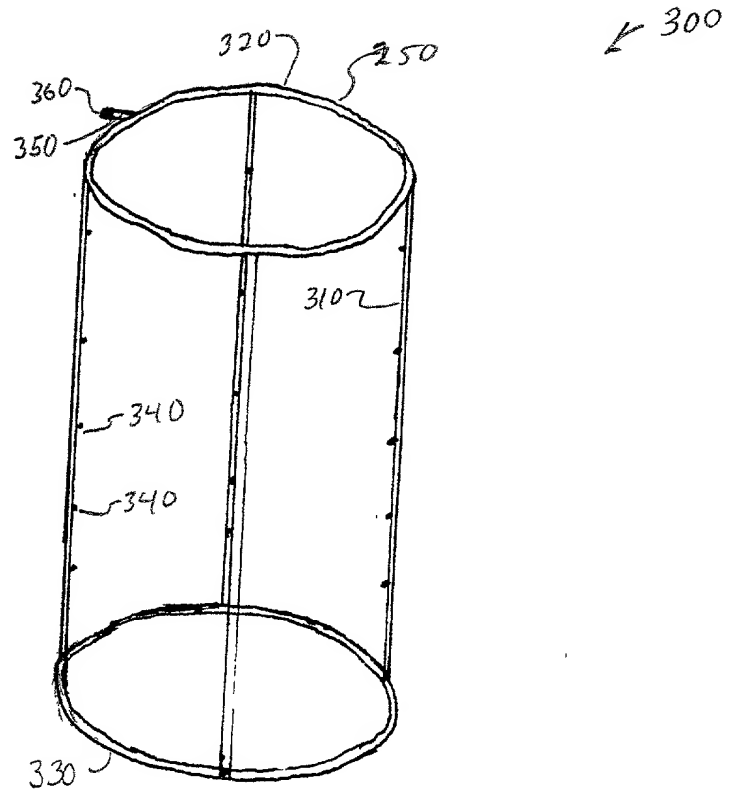


Fig. 4a

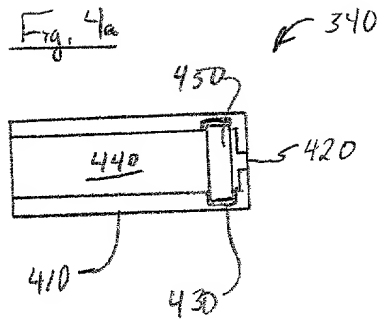


Fig. 4b

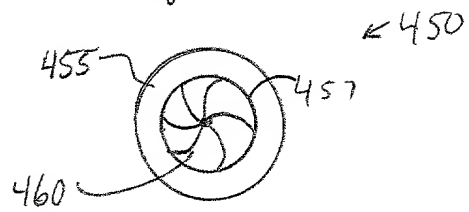
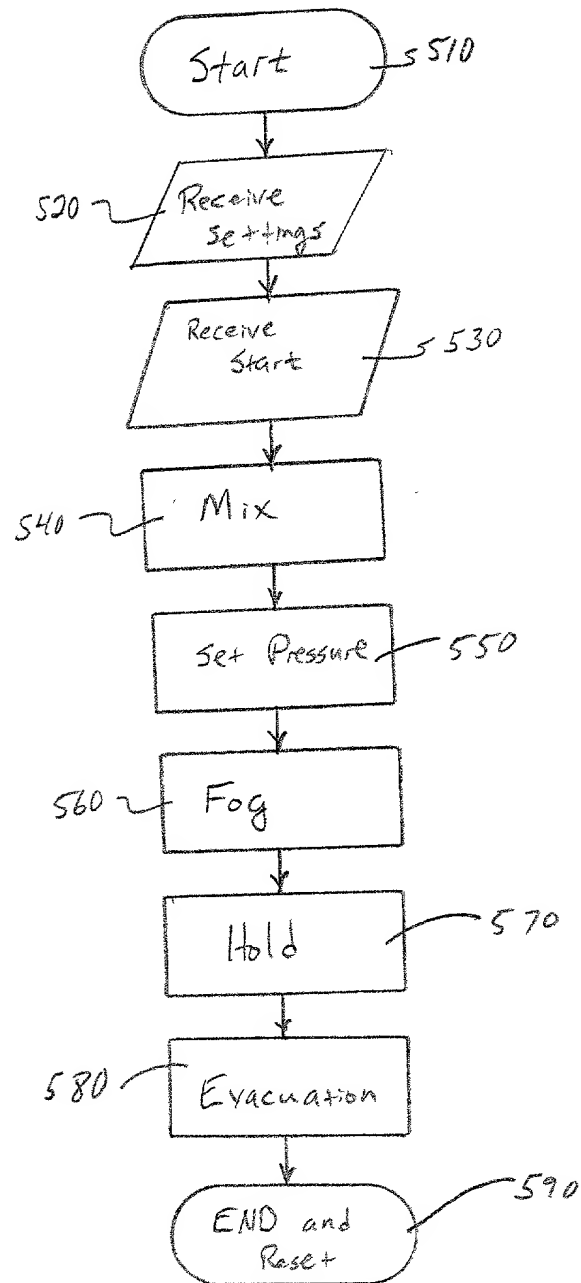


Fig. 5

← 500



0959737.06.600

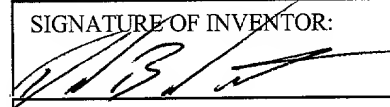
ATTORNEY'S DOCKET NO.

108120.00001

APPLICATION FOR UNITED STATES PATENT**DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I declare that my residence, post office address and citizenship are as stated below next to my name; that I verily believe that I am the original, first and sole inventor if only one name is listed below, or an original, first and joint inventor if plural inventors are named below, of the subject matter which is claimed and for which a patent is sought on the invention entitled as set forth below, which is described in the attached specification; that I have reviewed and understand the contents of the specification, including the claims, as amended by any amendment specifically referred to in the oath or declaration; that no application for patent or inventor's certificate on this invention has been filed by me or my legal representatives or assigns in any country foreign to the United States of America; and that I acknowledge my duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, section 1.56(a);

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

| | | | |
|---|---|---|-------------------------------------|
| TITLE OF INVENTION: | | A DEVICE AND METHOD THAT GENERATES A FOG CAPABLE OF ALTERING THE COLOR OF HUMAN SKIN | |
| POWER OF ATTORNEY: | | I HEREBY APPOINT THE FOLLOWING ATTORNEYS TO PROSECUTE THIS APPLICATION AND TRANSACT ALL BUSINESS IN THE PATENT AND TRADEMARK OFFICE CONNECTED THEREWITH | |
| Robert C. Klinger, Reg. No. 34,365 Kay Houston, Reg. No. 38,495 | | Scott B. Stahl, Reg. No. 33,795 Bobby D. Slaton, Reg. No. 43,130 | Steven W. Thrasher, Reg. No. 43,192 |
| SEND CORRESPONDENCE TO: Robert C. Klinger Jackson Walker, LLP 2435 North Central Expressway, Suite 600 Richardson, TX 75080 | | DIRECT TELEPHONE CALLS TO: | |
| NAME OF INVENTOR: (1.) Drew Waters | NAME OF INVENTOR: (2.) Brandon Shaw | NAME OF INVENTOR: (3.) Frank Verdun | |
| RESIDENCE (City and State Only) Sachse, Texas | RESIDENCE (City and State Only) Irving, Texas | RESIDENCE (City and State Only) Franklin, Tennessee | |
| POST OFFICE ADDRESS 7309 Summit Ridge Sachse, Texas 75048 | POST OFFICE ADDRESS 309 N. Beltline Irving, Texas 75061 | POST OFFICE ADDRESS 145 Golden Meadow Lane Franklin, Tennessee | |
| COUNTRY OF CITIZENSHIP: USA | COUNTRY OF CITIZENSHIP: USA | COUNTRY OF CITIZENSHIP: USA | |
| SIGNATURE OF INVENTOR:  | SIGNATURE OF INVENTOR: | SIGNATURE OF INVENTOR: | |
| DATE: 6-14-00 | DATE: | DATE: | |

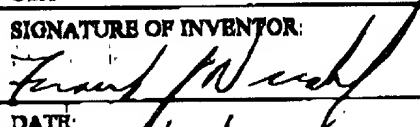
ATTORNEY'S DOCKET NO.
108120.00001

APPLICATION FOR UNITED STATES PATENT

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I declare that my residence, post office address and citizenship are as stated below next to my name; that I verily believe that I am the original, first and sole inventor if only one name is listed below, or an original, first and joint inventor if plural inventors are named below, of the subject matter which is claimed and for which a patent is sought on the invention entitled as set forth below, which is described in the attached specification; that I have reviewed and understand the contents of the specification, including the claims, as amended by any amendment specifically referred to in the oath or declaration; that no application for patent or inventor's certificate on this invention has been filed by me or my legal representatives or assigns in any country foreign to the United States of America; and that I acknowledge my duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, section 1.56(a);

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.


| | | | |
|--|--|---|--|
| TITLE OF INVENTION: | | A DEVICE AND METHOD THAT GENERATES A FOG CAPABLE OF ALTERING THE COLOR OF HUMAN SKIN | |
| POWER OF ATTORNEY: | | I HEREBY APPOINT THE FOLLOWING ATTORNEYS TO PROSECUTE THIS APPLICATION AND TRANSACT ALL BUSINESS IN THE PATENT AND TRADEMARK OFFICE CONNECTED THEREWITH | |
| Robert C. Klinger, Reg. No. 34,365 Kay Houston, Reg. No. 38,495 | | Scott B. Stahl, Reg. No. 33,795 Bobby D. Slaton, Reg. No. 43,130 | |
| SEND CORRESPONDENCE TO: Robert C. Klinger Jackson Walker, LLP 2435 North Central Expressway, Suite 600 Richardson, TX 75080 | | DIRECT TELEPHONE CALLS TO: | |
| NAME OF INVENTOR: (1.) Drew Waters | NAME OF INVENTOR: (2.) Brandon Shaw | NAME OF INVENTOR: (3.) Frank Verdun | |
| RESIDENCE (City and State Only) Sachse, Texas | RESIDENCE (City and State Only) Irving, Texas | RESIDENCE (City and State Only) Franklin, Tennessee | |
| POST OFFICE ADDRESS 7309 Summit Ridge Sachse, Texas 75048 | POST OFFICE ADDRESS 309 N. Beltline Irving, Texas 75061 | POST OFFICE ADDRESS 145 Golden Meadow Lane Franklin, Tennessee | |
| COUNTRY OF CITIZENSHIP: USA | COUNTRY OF CITIZENSHIP: USA | COUNTRY OF CITIZENSHIP: USA | |
| SIGNATURE OF INVENTOR: | SIGNATURE OF INVENTOR: | SIGNATURE OF INVENTOR:  | |
| DATE: | DATE: | DATE: 6/13/00 | |

2467752

ATTORNEY'S DOCUMENT NO.
(08130,0000)**APPLICATION FOR UNITED STATES PATENT****DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I declare that my residence, post office address and citizenship are as stated below next to my name, that I verily believe that I am the original, first and sole inventor if only one name is listed below, or an original, first and joint inventor if plural inventors are named below, of the subject matter which is claimed and for which a patent is sought on the invention entitled as set forth below, which is described in the annexed specification; that I have reviewed and understand the contents of the specification, including the claims, as amended by any amendment specifically referred to in the oath or declaration; that no application for patent or inventor's certificate on this invention has been filed by me or my legal representative or assigns in any country foreign to the United States of America, and that I acknowledge my duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, section 1.56(a);

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

| | | |
|--|---|---|
| TITLE OF INVENTION: | | |
| A DEVICE AND METHOD THAT GENERATES A FOG CAPABLE OF ALTERING THE COLOR OF HUMAN SKIN | | |
| POWER OF ATTORNEY: | | |
| I HEREBY APPOINT THE FOLLOWING ATTORNEYS TO PROSECUTE THIS APPLICATION AND TRANSACT ALL BUSINESS IN THE PATENT AND TRADEMARK OFFICE CONNECTED THEREWITH | | |
| Robert C. Klinger, Reg. No. 34,385 Sean B. Stahl, Reg. No. 33,795 Steven W. Thresher, Reg. No. 43,192 Kay Houston, Reg. No. 38,485 Bobby D. Dixon, Reg. No. 43,130 | | |
| SEND CORRESPONDENCE TO: | | OBJECT TELEPHONE CALLS TO: |
| Robert C. Klinger Jackson Walker, LLP 2433 North Central Expressway, Suite 800 Richardson, TX 75080 | | |
| NAME OF INVENTOR: (1.) | NAME OF INVENTOR: (2.) | NAME OF INVENTOR: (3.) |
| Drew Waters | Brandon Shaw | Frank Verdun |
| RESIDENCE (City and State Only) | RESIDENCE (City and State Only) | RESIDENCE (City and State Only) |
| Sachse, Texas | Irving, Texas | Franklin, Tennessee |
| POST OFFICE ADDRESS | POST OFFICE ADDRESS | POST OFFICE ADDRESS |
| 7309 Sunset Ridge Sachse, Texas 75048 | 309 N. Bellvue Irving, Texas 75061 | 185 Golden Meadow Lane Franklin, Tennessee |
| COUNTRY OF CITIZENSHIP: | COUNTRY OF CITIZENSHIP: | COUNTRY OF CITIZENSHIP: |
| USA | USA | USA |
| SIGNATURE OF INVENTOR: | SIGNATURE OF INVENTOR: | SIGNATURE OF INVENTOR: |
| |  | |
| DATE: | DATE: | DATE: |
| | 6-14-00 | |